

Biology Major Requirements

PRE- & CO-REQUISITES (or demonstrated proficiency)

For the B.S. Degree:

_____ CHM 101DL, Core Concepts in Chemistry [or 21 or 110DL]
_____ CHM 201DL, Organic Chemistry 1
_____ MTH 111L, Lab Calculus 1 [or 105L&106L or 21/121]
_____ STA 101 or above **OR** MTH 112L, Calc 2 [or 122L or 22/122] *
_____ PHY 121L, General Phys 1 [or 25, 141L, 107L, 151L, or 161D]

* or EvAnth 585 or PSY 204L&205L; cannot double count EvAnth 585 as elective if used to fulfill math requirement

Note: CHM 210DL, CHM 202L & PHY 122L recommended for pre-med, pre-vet, biochem, pharmacology

PRE- & CO-REQUISITES (or demonstrated proficiency)

For the A.B. Degree:

_____ CHM 101DL Core Concepts in Chemistry [or 21 or 110DL]
_____ STA 101 or above * **OR** _____ MTH 105L AND MTH 106L [or Math 111L or 21/121]

* or EvAnth 585 or PSY 204L&205L; cannot double count EvAnth 585 as elective if used to fulfill math requirement

For the A.B. and B.S. Degrees, 10 courses in Biology:

INTRODUCTORY COURSES IN BIOLOGY (2 courses)

_____ Biology 201L, Molecular Biology
_____ Biology 202L, Genetics & Evolution

BIOLOGY AREA MENUS (3 courses, see menus on reverse)

- 1 approved course in each area, at the 200-level or above.
- A course listed in two areas may only be used to meet one area requirement.

_____ Organismal Diversity
_____ Structure/Function: Cells & Organisms
_____ Ecology

BIOLOGY ELECTIVES (5 courses**)

- At least 3 electives must be in courses listed or cross-listed as Biology at the 200-level or above. This may include a max of 2 approved Independent Study (BIO, BIOCHEM, PHARM, PATH, NEUROBIO, CELLBIO, IMM, MGM).
- A maximum of 2 independent studies or tutorials may count toward the major.
- A maximum of 2 approved alternate electives in the biological sciences may be counted toward the major (depending on Introductory sequence).

_____ Biology Elective
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_____ Biology Elective or approved alternate
_____ Biology Elective or approved alternate

** _____ one additional Biology Elective or approved alternate if Bio 203L was taken instead of 201L/202L

THE AREA AND ELECTIVE COURSES ABOVE MUST INCLUDE:

1) At least two full lab courses beyond Bio 201L/202L. Only one Independent study may count as a lab course.

Lab 1 _____ Lab 2 _____

2) At least one full Biology 'Capstone' at the 400-level or above. Independent Study can only count towards this requirement if it is a second semester continuation with the same research supervisor.

'Capstone' Course _____